Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner # : _____ Date: _____

Art Unit: 1635 Phone Number 30_____ Serial Number: _____

Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER/ DISK E-MAIL

1612

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

****

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#)_____	STN _____
Searcher Phone # _____	AA Sequence (#)_____	Dialog _____
Searcher Location _____	Structure (#) _____	Questel Orbit _____
Date Searcher Picked Up _____	Bibliographic _____	Dr Link _____
Date Completed _____	Litigation _____	Lexis Nexis _____
Searcher Prep & Review Time 16	Fulltext _____	Sequence Systems _____
Clerical Prep Time _____	Patent Family _____	WWW Internet _____
Online Time _____	Other _____	Other (specify) _____

PTO-1590 (8-01)

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: May 31, 2003, 17:59:53 ; Search time 17.449 Seconds
(without alignments)
351.513 Million cell updates/sec

Title: US-09-315-292A-1
Perfect score: 20
Sequence: 1 gcccaaac[illegible]agcat[illegible]atcc 20

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153388[illegible] residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_NA:*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	20	100.0	20	1	US-08-063-167A-22	Sequence 22, Appl
2	20	100.0	20	1	US-08-469-447-6	Sequence 6, Appli
3	20	100.0	20	1	US-08-469-851A-6	Sequence 6, Appli
4	20	100.0	20	1	US-08-087-9[illegible]7A-22	Sequence 22, Appl
5	20	100.0	20	1	US-08-467-5[illegible]A-6	Sequence 6, Appli
6	20	100.0	20	1	US-08-468-5[illegible]A-6	Sequence 6, Appli
7	20	100.0	20	1	US-08-466-[illegible]A-6	Sequence 6, Appli
8	20	100.0	20	1	US-08-471-[illegible]-6	Sequence 6, Appli
9	20	100.0	20	2	US-08-440-[illegible]A-22	Sequence 22, Appl
10	20	100.0	20	2	US-08-838-474A-16	Sequence 16, Appl
11	20	100.0	20	2	US-08-344-155C-22	Sequence 22, Appl
12	20	100.0	20	3	US-08-982-845B-22	Sequence 22, Appl
13	20	100.0	20	3	US-08-777-266A-17	Sequence 17, Appl
14	20	100.0	20	3	US-09-166-186-41	Sequence 41, Appl
15	20	100.0	20	3	US-08-961-525B-22	Sequence 22, Appl
16	20	100.0	20	3	US-09-085-759-22	Sequence 22, Appl
17	20	100.0	20	3	US-09-062-416-2	Sequence 2, Appli
18	20	100.0	20	3	US-08-950-779-2	Sequence 2, Appli
19	20	100.0	20	3	US-08-950-779-8	Sequence 8, Appli
20	20	100.0	20	3	US-08-950-779-9	Sequence 9, Appli
21	20	100.0	20	4	US-09-414-145-2	Sequence 2, Appli
22	20	100.0	20	4	US-09-128-496-22	Sequence 22, Appl
23	20	100.0	20	4	US-09-187-995-12	Sequence 12, Appl
24	20	100.0	20	4	US-09-144-883C-3	Sequence 3, Appli
25	20	100.0	20	4	US-09-235-614-16	Sequence 16, Appl
26	20	100.0	20	4	US-09-313-332-41	Sequence 41, Appl
27	20	100.0	20	4	US-09-409-816-1	Sequence 1, Appli
28	20	100.0	20	4	US-09-123-108-5	Sequence 5, Appl
29	20	100.0	20	4	US-09-177-953-2	Sequence 2, Appl
30	20	100.0	20	4	US-09-177-953-8	Sequence 8, Appl
31	20	100.0	20	4	US-09-177-953-11	Sequence 11, Appl
32	20	100.0	20	4	US-09-177-953-17	Sequence 17, Appl
33	20	100.0	20	4	US-09-177-953-25	Sequence 25, Appl
34	20	100.0	20	4	US-09-177-953-31	Sequence 31, Appl
35	20	100.0	20	4	US-09-177-953-33	Sequence 33, Appl
36	20	100.0	20	4	US-09-177-953-38	Sequence 38, Appl
37	20	100.0	20	4	US-09-177-953-40	Sequence 40, Appl
38	20	100.0	20	4	US-09-177-953-46	Sequence 46, Appl
39	20	100.0	20	4	US-09-115-025A-3	Sequence 3, Appl
40	20	100.0	20	4	US-09-378-665A-4	Sequence 4, Appl
41	20	100.0	20	4	US-09-678-954-2	Sequence 2, Appl
42	20	100.0	20	4	US-09-069-490A-22	Sequence 22, Appl
43	20	100.0	20	4	US-09-379-718-3	Sequence 3, Appl
44	20	100.0	20	4	US-09-326-186B-17	Sequence 17, Appl
45	20	100.0	20	4	US-09-349-097A-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-08-063-167A-22
; Sequence 22, Application US/08063167A
; Patent No. 5514788
; GENERAL INFORMATION:
; APPLICANT: Bennett and Mirabelli
; TITLE OF INVENTION: Oligonucleotide Modulation
; TITLE OF INVENTION: of Cell Adhesion
; NUMBER OF SEQUENCES: [illegible]
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodland Falls Corporate Park
; STREET: [illegible] Lake Drive East, Suite [illegible]
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/063,167A
; FILING DATE: [illegible]
; CLASSIFICATION: [illegible]
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: [illegible]
; FILING DATE: September [illegible], 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US[illegible]
; FILING DATE: July [illegible], [illegible]
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: [illegible]
; FILING DATE: August 14, 1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-4100
; TELEFAX: (215) 568-5439
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear

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;     ANTI-SENSE:  Yes
US-08-063-167A-22

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  Best Local Similarity   100.0%;  Pred. No. 0.72;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 GCCCAAGCTGGCATCCGTCA 20
              ||||||||||||||||||||
Db          1 GCCCAAGCTGGCATCCGTCA 20


RESULT 2
US-08-468-447-6
; Sequence 6, Application US/08468447
; Patent No. 5576302
;  GENERAL INFORMATION:
;     APPLICANT:  Phillip Dan Cook and Glenn Hoke
;     TITLE OF INVENTION:  Oligonucleotides For Modulating
;     TITLE OF INVENTION:  Hepatitis C Virus Having Phosphorothioate Linkages  High Pu
;     TITLE OF INVENTION:  Purity
;     NUMBER OF SEQUENCES:  16
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  U.S.A.
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch disk, 720 KB
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/468,447
;       FILING DATE:  06-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  297,703
;       FILING DATE:  29-AUG-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-2008
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;    INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-468-447-6

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  Best Local Similarity   100.0%;  Pred. No. 0.72;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 3
US-08-469-851A-6
; Sequence 6, Application US/08469851A
; Patent No. 5587361
;  GENERAL INFORMATION:
;     APPLICANT:  Cook and Hoke
;     TITLE OF INVENTION:  OLIGONUCLEOTIDES HAVING PHOSPHOROTHIOATE
;     TITLE OF INVENTION:  LINKAGES OF HIGH OPTICAL PURITY
;     NUMBER OF SEQUENCES:  16
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  U.S.A.
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch disk, 720 KB
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/469,851A
;       FILING DATE:  06-JUN-1995
;       CLASSIFICATION:  540
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  297,703
;       FILING DATE:  29-AUG-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-2008
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;    INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-469-851A-6

  Query Match             100.0%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 0.72;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 GCCCAAGCTGGCATCCGTCA 20


RESULT 4
US-08-067-[illegible]A-[illegible]
; Sequence 22, Application US/[illegible]A
; Patent No. 5591623
;  GENERAL INFORMATION:
;     APPLICANT:  Bennett and Milanova
;     TITLE OF INVENTION:  Oligonucleotide Modulation
;     TITLE OF INVENTION:  of Cell Adhesion
;     NUMBER OF SEQUENCES:  [illegible]
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn Kurtz
;       ADDRESSEE:  Mackiewicz & No
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  USA
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3.5 INCH, 1.44 MB STORAGE
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  PC DOS
;       SOFTWARE:  WORDPERFECT 5.1
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;       APPLICATION NUMBER:  US/08/[illegible]A
;       FILING DATE:  19930121
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
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